



pHD sc Digital differential pH sensor, convertible, 1", PEEK

Nr. produs: DPD1P1.99

RON Preț (fără TVA): Contact
Disponibil

pHD sc: digital differential electrode for pH

General Purpose Online Process pH Sensor with Integrated Digital Electronics for "Plug and Play" with Hach Digital SC Controllers - pHD Technology, Glass pH Electrode, PEEK Housing, Convertible Mount, 10 m Cable

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Longer service life

This field-proven technique uses three electrodes instead of the two normally used in conventional pH sensors. Process and reference electrodes measure the pH differentially with respect to a third ground electrode. The end result is unsurpassed measurement accuracy, reduced reference junction potential, and elimination of sensor ground loops. These sensors provide greater reliability, resulting in less downtime and maintenance.

2 year phased warranty*

The double junction salt bridge creates a barrier to contamination which minimizes the dilution of the internal standard cell solution. The result is lower maintenance needs and a longer time period between calibrations.

Plug and play with SC controllers

The unique, replaceable salt bridge holds an extraordinary volume of buffer to extend the working life of the sensor by protecting the reference electrode from harsh process conditions. The salt bridge simply threads onto the end of the sensor if replacement is needed.

Reliability with Built-in Encapsulated Preamp

Encapsulated construction protects the sensor's built-in preamp from moisture and humidity, ensuring reliable sensor operation. The preamp in the pHD analogue sensor produces a strong signal, enabling the sensor to be located up to 1000 m (3280 ft.) from the analyser.

Patented Technology

The former GLI, now a Hach Company brand, invented the Differential Electrode Technique for pH measurement in 1970. The pHD takes this field-proven technology to a new level.

Specificații

Acuratete:	± 0,02 pH
Acuratete temperatura:	± 0.5 °C (± 0.9 °F)
Cablu senzor:	1" NPT
Compliance:	Hazardous location, Maritime, CE
Comunicare:	Modbus

Condiții de depozitare:	4 - 70 °C, 0-95% relative humidity (non-condensing)
Conexiunea cablului:	Digital
Deviere:	0.03 pH per 24 hours, non-cumulative
Distanța de transmisie:	100 m (328 ft.), maximum
Domeniu de măsurare:	-2.0 to 14.0 pH
	-1500 to +1500 mV ORP
Garanție:	24 luni
Greutate:	0,316 kg
Interval de presiune:	Maximum 10.7 bar . 6.9 bar for Digital Sensor at 70°C, and 6.9 bar for Analog Sensor at 105°C.
Lungime:	271.3 mm
Lungime cablu:	10 m PUR (polyurethane) 4-conductor with one shield, rated to 105°C
Material:	Titanium
Material corp:	PEEK
Materiale în contact cu mediul:	PEEK or PPS, salt bridge of matching material with PVDF junction, glass process electrode, titanium ground electrode, and FKM/FPM O-ring seals (pH sensor with optional HF-resistant glass process electrode has 316 stainless steel ground electrode, and perfluoroelastomer wetted O-rings; consult factory for other available wetted O-ring materials)
Metoda de calibrare:	Two point automatic, one point automatic, two point manual, one point manual.
Modalitate de montaj:	Convertible
Rata debit:	3 m (10 ft.) per second, maximum
Repetabilitate:	± 0.05 pH
Sen:	± 0,01 pH
Sensor cable:	10 m (33 ft.) polyurethane, 4-conductor cable with one shield, rated to 105°C (221°F)
Senzor de temperatura:	NTC 300 Ω thermistor for automatic temperature compensation and analyser temperature readout
Temperatura de operare monitor:	-5 - 70 °C (23 - 158 °F) pH and ORP
	0 - 50 °C (32 - 122 °F) SS pH
	Before initial pH calibration, calibrate the temperature measurement when the sensor is in water or buffer which is at approximately the same temperature as the pH buffers (matches current recommendation)
Temperature compensation:	Automatic with NTC 300 Ω thermistor, or manually fixed at a user-entered temperature, additional selectable temperature correction factors (ammonia, morpholine, or user-defined pH/°C linear slope) available for pure water automatic compensation 0.0 - 50 °C
Tip electrod:	General Purpose

Accesorii necesare

- Modul de afișare SC1000 (Item LXV402.99.00001)